

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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**Complete if Known**

Application Number	10/536,809
International Filing Date	May 26, 2004
371(c) Date	May 27, 2005
First Named Inventor	Daisuke TENMIZU et al.
Art Unit	1634
Examiner Name	Jeanine Anne GOLDBERG
Attorney Docket Number	08959.0011-00000

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**U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS**

Examiner Initials*	Cite No.	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code (if known)			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation
		Country Code Number Kind Code (if known)				

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation
		BERTILSSON, 2002, KALOW, et al., eds., ISHIKAWA trans-ed., "PHARMACOGENOMICS - 21SEIKINOSOUYAKUTOKONOIRYOU-", 1 <sup>st</sup> ed., TECHNOMICS, Dec. 2002, p. 29-43 (non-patent reference 12)*	Yes
		BLAISDELL et al., 1998, "Isolation of a new canine cytochrome P450 cDNA from the cytochrome P450 2C subfamily (CYP2C41) and evidence for polymorphic differences in its expression," Drug Metabolism and Disposition, Vol. 26, No. 3, p. 278-283. (non-patent reference 5)	
		CIACCIO et al., 1991, "cDNA and deduced amino acid sequences of a dog liver cytochrome P-450 of the IIIA gene subfamily," Biochimica et Biophysica Acta, Vol. 1088, p. 319-322. (non-patent reference 8)	
		EGUCHI et al., 1996, "Quatitation of cytochrome P450 enzymes (CYP1A1/2, 2B11, 2C21, and 3A12) in dog liver microsomes by enzyme-linked immunosorbent assay," Xenobiotica, Vol. 26, No. 7, p. 755-763. (non-patent reference 11)	
		FRASER et al., 1997, "Isolation, heterologous expression and functional characterization of a novel cytochrome P450 3A enzyme from a canine liver cDNA library," The Journal of Pharmacology and Experimental Therapeutics, Vol. 283, No. 3, p. 1425-1432. (non-patent reference 9)	
		GRAVES et al., 1990, "cDNA and deduced amino acid sequences of a dog hepatic cytochrome P450IIB responsible for the metabolism of 2,2',4,4',5,5'-hexachlorobiphenyl," Archives of Biochemistry and Biophysics", Vol. 281, No. 1, p. 106-115. (non-patent reference 4)	
		HOFFMEYER et al., 2000, "Functional polymorphisms of the human multidrug-resistance gene: multiple sequence variations and correlation of one allele with P-glycoprotein expression and activity <i>in vivo</i> ," PNAS, Vol. 97, No. 7, p. 3473-3478. (non-patent reference 18)	
		KATO and KAMATAKI ed., "YAKUBUTUTAISHAGAKU -IROYOUYAKUGAKU / DOKUSEIGAKU NO KISO TOSHITE-", 2 <sup>nd</sup> ed., TOKYO KAGAKUDOUJIN, Oct. 2000, p. 9-19 (non-patent reference 1)	Relevance Provided
		KATO and KAMATAKI ed., "YAKUBUTUTAISHAGAKU -IROYOUYAKUGAKU / DOKUSEIGAKU NO KISO TOSHITE-", 2 <sup>nd</sup> ed., TOKYO KAGAKUDOUJIN, Oct. 2000, p. 19-20. (non-patent reference 10)	Relevance Provided

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## NON PATENT LITERATURE DOCUMENTS

	KATO and KAMATAKI ed., "YAKUBUTUTAISHAGAKU -IRYOUTYAKUGAKU / DOKUSEIGAKU NO KISO TOSHITE-", 2 <sup>nd</sup> ed., TOKYO KAGAKUDOUJIN, Oct. 2000, p. 141-155 (non-patent reference 16)	Relevance Provided
	LANKFORD et al., 2000, "Cloning of canine cytochrome P450 2E1 cDNA: identification and characterization of two variant alleles," Drug Metabolism and Disposition, Vol. 28, No. 8, p. 981-986. (non-patent reference 7)	
	MEALEY et al., 2001, "Ivermectin sensitivity in collies is associated with a deletion mutation of the mdr1 gene," Pharmacogenetics, Vol. 11, p. 727-733. (non-patent reference 19)	
	MIYASHITA et al., 2002, Poster 20PE-46 entitled "Polymorphism in pharmacokinetics of YM-64227 in dogs," from <i>The 17th Annual Meeting of the Japanese Society for the Study of Xenobiotics, poster session</i> , (1 page), with translation (2 pages). (non-patent reference 21)	Yes
	NAKAJIMA et al., 1999, "Genetic polymorphism in the 5'-flanking region of human CYP1A2 gene: effect on the CYP1A2 inducibility in humans," J. Biochem., Vol. 125, No. 4, p. 803-808. (non-patent reference 13)	
	OTOKAWA, "INU NO SEIBUTUGAKU", 1 <sup>st</sup> ed., ASAKURA SHOTEN, Sept. 1969, p. 179-187. (non-patent reference 2)	Relevance Provided
	PAULSON et al., 1999, "Evidence for polymorphism in the canine metabolism of the cyclooxygenase 2 inhibitor, celecoxib," Drug Metabolism and Disposition, Vol. 27, No. 10, p. 1133-1142. (non-patent reference 20)	
	SACHSE et al., 1999, "Functional significance of a C—A polymorphism in intron 1 of the cytochrome P450 CYP1A2 gene tested with caffeine," British Journal of Clinical Pharmacology, Vol. 47, p. 445-449. (non-patent reference 14)	
	SAKAMOTO et al., 1995, "A new cytochrome P450 form belonging to the CYP2D in dog liver microsomes: purification, cDNA cloning, and enzyme characterization," Archives of Biochemistry and Biophysics, Vol. 319, No. 2, p. 372-382. (non-patent reference 6)	
	SALAVAGGIONE et al., 2002, "Canine red blood cell thiopurine S-methyltransferase: companion animal pharmacogenetics," Pharmacogenetics, Vol. 12, p. 713-724. (non-patent reference 17)	
	WELFARE et al., 1999, "Detailed modelling of caffeine metabolism and examination of the CYP1A2 gene: lack of a polymorphism in CYP1A2 in caucasians," Pharmacogenetics, Vol. 9, p. 367-375. (non-patent reference 15)	
	* The non-patent reference numbers refer to the numbered references cited in the specification and listed on pages 6-7 of the specification.	

Examiner Signature	Date Considered
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.